# WEST Search History

Hide Items | Restore | Clear | Cancel

DATE: Wednesday, September 14, 2005

| Hide? | Set Name | Query | Hit Count |
|---|---|---|---|
| | | *DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR* | |
| ☐ | L21 | L20 same (multiple or plurality) and sequential | 26 |
| ☐ | L20 | (ligase or ligation) same (construct or construction or make or making or synthesis) same (surface or solid or support) same (gene or polynucleotide or oligonucleotide or DNA or RNA) | 1223 |
| ☐ | L19 | (ligase or ligation) near (construct or construction or make or making or synthesis) near (surface or solid or support) | 0 |
| ☐ | L18 | (ligase or ligation) same (construct or construction or make or making or synthesis) same (surface or solid or support) | 1935 |
| ☐ | L17 | template same (ligase or ligation) same (construct or construction or make or making) same (surface or solid or support) | 53 |
| ☐ | L16 | sequential same (hybridization or hybridize) same (ligase or ligation) same (construct or construction or make or making) | 30 |
| ☐ | L15 | (sequential near (hybridization or hybridize) same (ligase or ligation)) same (construct or construction or make or making) | 0 |
| ☐ | L14 | sequential near (hybridization or hybridize or ligate or ligation) same (construct or construction or make or making) | 41 |
| ☐ | L13 | sequential near (hybridization or hybridize or ligate or ligation) | 344 |
| ☐ | L12 | L9 same template | 34 |
| ☐ | L11 | L9 same short | 2 |
| ☐ | L10 | L9 same sequential | 0 |
| ☐ | L9 | (assemble or assembly or synthesize or synthesis or construction) near (gene or oligonucleotide or polynucleotide) near (ligase or enzyme or enzymatic or ligation) | 456 |
| ☐ | L8 | (assemble or assembly or synthesize or synthesis or construction) same (gene or oligonucleotide or polynucleotide) same (ligase or enzyme or enzymatic or ligation) | 32220 |
| ☐ | L7 | 6479262.pn. | 2 |
| ☐ | L6 | ligase near "anchor" | 1 |
| ☐ | L5 | ligase near "anchor probe" | 1 |
| ☐ | L4 | L3 not L2 | 5 |
| ☐ | L3 | (coupled or couple or linked or link or crosslink or "cross link" or "cross-link" or tether or tethered or anchor or anchored or bound or bind or connect) near ligase | 220 |
| ☐ | L2 | (coupled or couple or linked or link or crosslink or "cross link" or "cross-link" or tether or anchor or anchored or bound or bind or connect) near ligase | 215 |

END OF SEARCH HISTORY

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     FILE 'USPATFULL, MEDLINE, CAPLUS' ENTERED AT 11:35:58 ON 14 SEP 2005
L1           24 S TETHER?(4A)LIGASE
L2            2 S TETHER?(W)LIGASE
L3         1856 S (CROSS(W)LINK OR COUPL? OR ANCHOR? OR LINK? OR BOUND OR BIND)
L4           58 S (CROSS(W)LINK OR COUPL? OR ANCHOR? OR LINK? OR BOUND OR BIND)
L5           52 DUP REM L4 (6 DUPLICATES REMOVED)
L6         1684 DUP REM L3 (172 DUPLICATES REMOVED)

=> log h
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    97.79      98.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -2.92      -2.92

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:50:37 ON 14 SEP 2005
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INVENTOR(S): MacLeod, Michael C., Austin, TX, United States
Aldaz, C. Marcelo, Austin, TX, United States
Gaddis, Sara S., Austin, TX, United States
PATENT ASSIGNEE(S): Board of Regents, The University of Texas System, Austin, TX, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---|---|---|---|
| PATENT INFORMATION: | US 6221600 | B1 | 20010424 |
| APPLICATION INFO.: | US 1999-414847 | | 19991008 (9) |

DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Brusca, John S.
ASSISTANT EXAMINER: Siu, Stephen
LEGAL REPRESENTATIVE: Fulbright & Jaworski, LLP
NUMBER OF CLAIMS: 84
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 30 Drawing Figure(s); 16 Drawing Page(s)
LINE COUNT: 3179
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a method for the detection of gene expression and analysis of both known and unknown genes. The invention is a highly sensitive, rapid and cost-effective means of monitoring gene expression, as well as for the analysis and quantitation of changes in gene expression for a defined set of genes and in response to a wide variety of events. It is an important feature of the present invention that no single molecular species of cDNA gives rise to more than one fragment in the collection of products which are subsequently amplified and representative of each expressed gene. This achievement is facilitated by immobilizing the cDNA prior to digesting and then digesting with sequentially with two frequently cutting enzymes. Linker oligomers are ligated to each cut site following the respective digestion. Primers, complementary to the oligomer sequence with an additional 3' variable sequence are used to amplify the fragments. Using an array of fragments theoretically facilitates the amplification of all of the possible messages in a given sample.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 52 OF 52 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1986:16901 CAPLUS
DOCUMENT NUMBER: 104:16901
TITLE: DNA ligase activity in pea seedlings (Pisum sativum L.): development of a sensitive assay system and partial characterization of soluble and chromatin-**bound ligases**
AUTHOR(S): Daniel, Paul P.; Bryant, John A.; Barker, David G.
CORPORATE SOURCE: Dep. Plant Sci., Univ. Coll., Cardiff, CF1 1XL, UK
SOURCE: Biochemistry International (1985), 11(5), 645-52
CODEN: BIINDF; ISSN: 0158-5231
DOCUMENT TYPE: Journal
LANGUAGE: English

AB An efficient extraction procedure and a rapid and quant. assay for plant DNA ligases are described. By using these extraction and assay procedures, it was possible for the 1st time to detect and partially characterize 2 populations of DNA ligase, one chromatin-bound and one soluble, in pea seedlings. The 2 populations of the enzyme showed similar assay requirements and pH optima and were both stimulated by Nonidet P40 and by PEG 6000. The chromatin-**bound ligase** was stimulated by spermidine, whereas the soluble ligase was inhibited by this compound

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(FILE 'HOME' ENTERED AT 11:34:57 ON 14 SEP 2005)